

FALL 2003 KINDERGARTEN ASSESSMENT RESULTS

The California Department of Health Services Immunization Branch and local health departments conduct school assessments each fall to monitor compliance with California school immunization law. Assessments are performed at licensed childcare/Head Start centers, kindergartens, and seventh grade schools. Each September, assessment forms are sent out to California schools and childcare centers for completion by school staff.

This year's kindergarten immunization assessment results show that 92.5% of the 513,519 children enrolled in reporting kindergartens received all required immunizations mandated by school law for the corresponding school year (3+ Polio, 4+ DTP, 2+ MMR, 3+ Hep B, and 1+ varicella). Results are presented in Table 1.

This year, the percent of children with personal beliefs exemptions (PBEs) or permanent medical exemptions (PMEs) are 1.16% and 0.13%, respectively, similar to last year. A trend graph showing PBE and PME rates since 1996 is presented in Figure 1. The coverage level for the varicella requirement (proof of immunization or physician-documented disease), 98.6% this year, continues to edge upward. This is particularly impressive given that varicella has only been a requirement since 2001. All single antigen coverage levels surpass the Healthy People 2010 goal of 90% coverage. The lowest antigen coverage continues to be for the fourth dose of DTP (96.5%).

Table 1: Kindergarten Immunization Assessment, 1999 – 2003

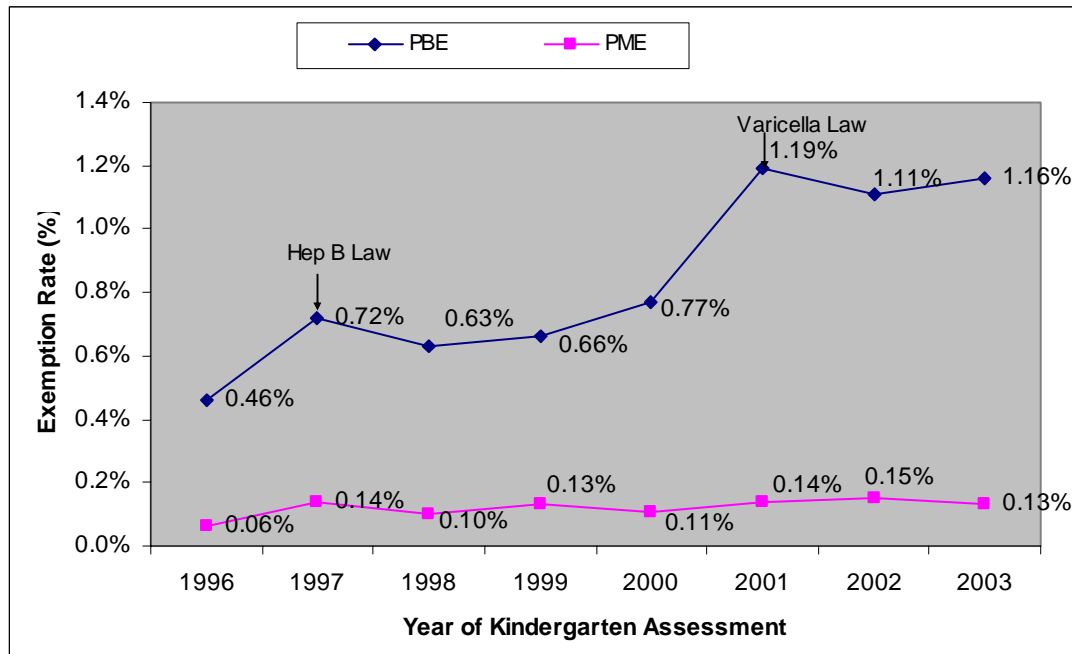
	1999	2000	2001	2002	2003
Number of Schools	8,506	8,473	8,705	8,646	8,544
Number of Students	527,513	526,466	523,516	519,397	513,519
Percent Immunized For:					
Polio 3+	97.1%	96.9%	97.1%	97.2%	96.9%
DTP 4+	96.3%	96.3%	96.6%	96.6%	96.5%
MMR 2+	96.4%	96.3%	96.7%	97.0%	96.8%
Hep B 3+	97.0%	97.3%	97.7%	98.1%	98.1%
Varicella 1+ [†]			96.9%	98.3%	98.6%
Percent of Enrollees Who Received All Required Immunizations [†]	91.88%	92.20%	90.85%	92.29%	92.53%
Percent with Permanent Medical Exemptions	0.13%	0.11%	0.14%	0.15%	0.13%
Percent with Personal Belief Exemptions	0.66%	0.77%	1.19%	1.11%	1.16%
Percent of Conditional Entrants	7.33%	6.92%	7.82%	6.45%	6.18%

Source: Fall School Assessments 1999 - 2003

Prepared by California Department of Health Services, Immunization Branch

[†] For varicella, this figure includes children with physician-documented disease

Figure 1: Medical/Personal Belief Exemptions Trend in Kindergarteners, 1996 – 2003



Source: Fall School Assessments 1996- 2003

Prepared by California Department of Health Services, Immunization Branch

Attachments:

Enclosed are three additional tables, showing total enrollment and admission status by county (Table 2), students adequately immunized by county (Table 3), and number of schools reporting by county and type of school, public or private (Table 4). Data by school district and by individual school are available upon request. For further information regarding the Kindergarten Assessment, please contact Elisha Larez at (510) 540-2993 or email: elarez@dhs.ca.gov.

KINDERGARTEN ASSESSMENT - CALIFORNIA, 2003
TABLE 2: TOTAL ENROLLMENT AND ADMISSION STATUS
BY COUNTY

	TOTAL STUDENTS	ENTRANTS WITH ALL REQ. IMMUN.		CONDITIONAL ENTRANTS		ENTRANTS WITH PME		ENTRANTS WITH PBE	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	513,519	475,163	92.53%	31,725	6.18%	693	0.13%	5,938	1.16%
COUNTY									
ALAMEDA	18,414	16,725	90.83%	1,516	8.23%	25	0.14%	148	0.80%
ALPINE	15	13	86.67%	2	13.33%	0	0.00%	0	0.00%
AMADOR	296	279	94.26%	8	2.70%	0	0.00%	9	3.04%
BUTTE	2,460	2,271	92.32%	79	3.21%	4	0.16%	106	4.31%
CALAVERAS	441	405	91.84%	19	4.31%	3	0.68%	14	3.17%
COLUSA	361	337	93.35%	23	6.37%	0	0.00%	1	0.28%
CONTRA_COSTA	13,740	13,019	94.75%	514	3.74%	24	0.17%	183	1.33%
DEL_NORTE	362	337	93.09%	15	4.14%	1	0.28%	9	2.49%
EL_DORADO	2,051	1,892	92.25%	70	3.41%	6	0.29%	83	4.05%
FRESNO	15,137	14,577	96.30%	474	3.13%	11	0.07%	75	0.50%
GLENN	465	452	97.20%	11	2.37%	0	0.00%	2	0.43%
HUMBOLDT	1,472	1,239	84.17%	130	8.83%	5	0.34%	98	6.66%
IMPERIAL	2,643	2,464	93.23%	172	6.51%	4	0.15%	3	0.11%
INYO	198	191	96.46%	4	2.02%	0	0.00%	3	1.52%
KERN	12,606	11,848	93.99%	589	4.67%	14	0.11%	155	1.23%
KINGS	2,295	2,225	96.95%	64	2.79%	0	0.00%	6	0.26%
LAKE	717	632	88.15%	63	8.79%	0	0.00%	22	3.07%
LASSEN	411	327	79.56%	56	13.63%	0	0.00%	28	6.81%
LOS_ANGELES	144,334	130,926	90.71%	12,356	8.56%	125	0.09%	927	0.64%
MADERA	2,279	2,158	94.69%	96	4.21%	2	0.09%	23	1.01%
MARIN	2,768	2,425	87.61%	264	9.54%	2	0.07%	77	2.78%
MARIPOSA	156	143	91.67%	6	3.85%	0	0.00%	7	4.49%
MENDOCINO	1,061	879	82.85%	133	12.54%	2	0.19%	47	4.43%
MERCED	4,191	4,013	95.75%	156	3.72%	1	0.02%	21	0.50%
MODOC	139	112	80.58%	22	15.83%	0	0.00%	5	3.60%
MONO	157	132	84.08%	18	11.46%	3	1.91%	4	2.55%
MONTEREY	6,456	6,161	95.43%	234	3.62%	5	0.08%	56	0.87%
NAPA	1,632	1,539	94.30%	79	4.84%	0	0.00%	14	0.86%
NEVADA	1,082	836	77.26%	122	11.28%	3	0.28%	121	11.18%
ORANGE	43,609	40,506	92.88%	2,468	5.66%	119	0.27%	516	1.18%
PLACER	4,694	4,252	90.58%	250	5.33%	16	0.34%	176	3.75%

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BY COUNTY

	TOTAL STUDENTS	ENTRANTS WITH ALL REQ. IMMUN.		CONDITIONAL ENTRANTS		ENTRANTS WITH PME		ENTRANTS WITH PBE	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	513,519	475,163	92.53%	31,725	6.18%	693	0.13%	5,938	1.16%
COUNTY									
PLUMAS	191	176	92.15%	6	3.14%	0	0.00%	9	4.71%
RI VERSI DE	28,509	27,150	95.23%	1,136	3.98%	29	0.10%	194	0.68%
SACRAMENTO	18,720	16,631	88.84%	1,816	9.70%	10	0.05%	263	1.40%
SAN_BENI TO	988	940	95.14%	35	3.54%	2	0.20%	11	1.11%
SAN_BERNARDI NO	30,414	29,051	95.52%	996	3.27%	34	0.11%	333	1.09%
SAN_DI EGO	40,499	37,950	93.71%	1,874	4.63%	73	0.18%	602	1.49%
SAN_FRANCI SCO	5,993	5,491	91.62%	462	7.71%	5	0.08%	35	0.58%
SAN_JOAQUI N	10,542	10,057	95.40%	431	4.09%	12	0.11%	42	0.40%
SAN_LUI S_OBI SPO	2,590	2,414	93.20%	84	3.24%	5	0.19%	87	3.36%
SAN_MATEO	8,333	7,704	92.45%	527	6.32%	9	0.11%	93	1.12%
SANTA_BARBARA	5,700	5,274	92.53%	284	4.98%	6	0.11%	136	2.39%
SANTA_CLARA	22,727	21,197	93.27%	1,264	5.56%	44	0.19%	222	0.98%
SANTA_CRUZ	3,140	2,750	87.58%	239	7.61%	13	0.41%	138	4.39%
SHASTA	2,193	2,003	91.34%	109	4.97%	7	0.32%	74	3.37%
SI_ERRA	37	31	83.78%	1	2.70%	0	0.00%	5	13.51%
SI_SKI YOU	453	387	85.43%	26	5.74%	4	0.88%	36	7.95%
SOLANO	5,812	5,519	94.96%	251	4.32%	7	0.12%	35	0.60%
SONOMA	5,869	5,329	90.80%	348	5.93%	5	0.09%	187	3.19%
STANI SLAUS	8,198	7,795	95.08%	283	3.45%	17	0.21%	103	1.26%
SUTTER	1,414	1,347	95.26%	64	4.53%	1	0.07%	2	0.14%
TEHAMA	790	721	91.27%	33	4.18%	5	0.63%	31	3.92%
TOULUMNE	522	429	82.18%	48	9.20%	2	0.38%	43	8.24%
TRI NI TY	132	113	85.61%	8	6.06%	1	0.76%	10	7.58%
TULARE	7,561	7,237	95.71%	270	3.57%	5	0.07%	49	0.65%
VENTURA	12,022	10,915	90.79%	879	7.31%	20	0.17%	208	1.73%
YOLO	2,378	2,232	93.86%	111	4.67%	1	0.04%	34	1.43%
YUBA	1,150	1,005	87.39%	127	11.04%	1	0.09%	17	1.48%

TABLE 3: STUDENTS ADEQUATELY IMMUNIZED
BY COUNTY

	TOTAL STUDENTS	POLIO 3+		DTP 4+		MMR 1		MMR 2		HEP B 3+		VAR 1+	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	513,519	497,410	96.86%	495,349	96.46%	509,592	99.24%	497,274	96.84%	503,620	98.07%	506,238	98.58%
COUNTY													
ALAMEDA	18,414	17,639	95.79%	17,545	95.28%	18,222	98.96%	17,621	95.69%	17,981	97.65%	18,032	97.93%
ALPINE	15	13	86.67%	13	86.67%	14	93.33%	14	93.33%	14	93.33%	14	93.33%
AMADOR	296	294	99.32%	293	98.99%	296	100.00%	291	98.31%	292	98.65%	295	99.66%
BUTTE	2,460	2,424	98.54%	2,418	98.29%	2,446	99.43%	2,413	98.09%	2,433	98.90%	2,437	99.07%
CALAVERAS	441	427	96.83%	426	96.60%	438	99.32%	433	98.19%	435	98.64%	434	98.41%
COLUSA	361	354	98.06%	352	97.51%	361	100.00%	349	96.68%	354	98.06%	355	98.34%
CONTRA_COSTA	13,740	13,470	98.03%	13,428	97.73%	13,626	99.17%	13,455	97.93%	13,539	98.54%	13,590	98.91%
DEL_NORTE	362	354	97.79%	353	97.51%	361	99.72%	351	96.96%	358	98.90%	360	99.45%
EL_DORADO	2,051	2,007	97.85%	2,005	97.76%	2,041	99.51%	2,002	97.61%	2,030	98.98%	2,032	99.07%
FRESNO	15,137	14,934	98.66%	14,897	98.41%	15,109	99.82%	14,943	98.72%	14,980	98.96%	15,086	99.66%
GLENN	465	458	98.49%	457	98.28%	462	99.35%	456	98.06%	460	98.92%	462	99.35%
HUMBOLDT	1,472	1,388	94.29%	1,390	94.43%	1,446	98.23%	1,386	94.16%	1,419	96.40%	1,426	96.88%
IMPERIAL	2,643	2,596	98.22%	2,596	98.22%	2,637	99.77%	2,564	97.01%	2,605	98.56%	2,619	99.09%
INYO	198	196	98.99%	197	99.49%	197	99.49%	196	98.99%	198	100.00%	195	98.48%
KERN	12,606	12,357	98.02%	12,245	97.14%	12,552	99.57%	12,372	98.14%	12,363	98.07%	12,506	99.21%
KINGS	2,295	2,267	98.78%	2,258	98.39%	2,294	99.96%	2,271	98.95%	2,270	98.91%	2,285	99.56%
LAKE	717	684	95.40%	684	95.40%	703	98.05%	675	94.14%	690	96.23%	688	95.96%
LASSEN	411	373	90.75%	371	90.27%	402	97.81%	367	89.29%	399	97.08%	397	96.59%
LOS_ANGELES	144,334	138,067	95.66%	137,250	95.09%	142,243	98.55%	138,607	96.03%	140,151	97.10%	140,952	97.66%
MADERA	2,279	2,226	97.67%	2,211	97.02%	2,272	99.69%	2,230	97.85%	2,249	98.68%	2,260	99.17%
MARIN	2,768	2,605	94.11%	2,595	93.75%	2,701	97.58%	2,585	93.39%	2,661	96.13%	2,659	96.06%
MARIPOSA	156	150	96.15%	154	98.72%	155	99.36%	152	97.44%	155	99.36%	155	99.36%
MENDOCINO	1,061	981	92.46%	979	92.27%	1,037	97.74%	989	93.21%	1,015	95.66%	1007	94.91%
MERCED	4,191	4,125	98.43%	4,098	97.78%	4,189	99.95%	4,130	98.54%	4,141	98.81%	4,168	99.45%
MODOC	139	132	94.96%	132	94.96%	138	99.28%	123	88.49%	136	97.84%	135	97.12%
MONO	157	149	94.90%	149	94.90%	156	99.36%	144	91.72%	149	94.90%	152	96.82%
MONTEREY	6,456	6,346	98.30%	6,336	98.14%	6,434	99.66%	6,341	98.22%	6,379	98.81%	6,412	99.32%
NAPA	1,632	1,600	98.04%	1,596	97.79%	1,626	99.63%	1,589	97.37%	1,602	98.16%	1,613	98.84%
NEVADA	1,082	993	91.77%	995	91.96%	1,034	95.56%	992	91.68%	1,031	95.29%	1,018	94.09%
ORANGE	43,609	42,363	97.14%	42,306	97.01%	43,460	99.66%	42,170	96.70%	43,025	98.66%	43197	99.06%

TABLE 3: STUDENTS ADEQUATELY IMMUNIZED
BY COUNTY

	TOTAL STUDENTS	POLIO 3+		DTP 4+		MMR 1		MMR 2		HEP B 3+		VAR 1+	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	513,519	497,410	96.86%	495,349	96.46%	509,592	99.24%	497,274	96.84%	503,620	98.07%	506,238	98.58%
COUNTY													
PLACER	4,694	4,542	96.76%	4,537	96.66%	4,662	99.32%	4,542	96.76%	4,621	98.44%	4,628	98.59%
PLUMAS	191	187	97.91%	188	98.43%	191	100.00%	188	98.43%	190	99.48%	189	98.95%
RIVERSIDE	28,509	28,124	98.65%	27,975	98.13%	28,433	99.73%	28,024	1	28,117	98.62%	28,361	99.48%
SACRAMENTO	18,720	17,601	94.02%	17,508	93.53%	18,609	99.41%	17,490	93.43%	18,323	97.88%	18,401	98.30%
SAN BENITO	988	976	98.79%	965	97.67%	987	99.90%	973	98.48%	974	98.58%	981	99.29%
SAN BERNARDINO	30,414	29,961	98.51%	29,884	98.26%	30,342	99.76%	29,932	98.42%	30,121	99.04%	30,246	99.45%
SAN DIEGO	40,499	39,489	97.51%	39,346	97.15%	40,321	99.56%	39,494	97.52%	39,968	98.69%	40,188	99.23%
SAN FRANCISCO	5,993	5,677	94.73%	5,669	94.59%	5,823	97.16%	5,746	95.88%	5,797	96.73%	5,793	96.66%
SAN JOAQUIN	10,542	10,361	98.28%	10,326	97.95%	10,514	99.73%	10,333	98.02%	10,408	98.73%	10,469	99.31%
SAN LUIS OBISPO	2,590	2,539	98.03%	2,535	97.88%	2,581	99.65%	2,535	97.88%	2,569	99.19%	2,572	99.31%
SAN MATEO	8,333	8,034	96.41%	8,025	96.30%	8,309	99.71%	7,999	95.99%	8,206	98.48%	8,247	98.97%
SANTA BARBARA	5,700	5,552	97.40%	5,527	96.96%	5,684	99.72%	5,540	97.19%	5,612	98.46%	5,634	98.84%
SANTA CLARA	22,727	22,063	97.08%	22,001	96.81%	22,649	99.66%	22,017	96.88%	22,424	98.67%	22,557	99.25%
SANTA CRUZ	3,140	3,006	95.73%	2,997	95.45%	3,118	99.30%	3,004	95.67%	3,060	97.45%	3,074	97.90%
SHASTA	2,193	2,137	97.45%	2,129	97.08%	2,176	99.22%	2,125	96.90%	2,162	98.59%	2,159	98.45%
SILVERA	37	37	100.00%	36	97.30%	37	100.00%	37	100.00%	37	100.00%	36	97.30%
SISKIYOU	453	439	96.91%	441	97.35%	451	99.56%	437	96.47%	448	98.90%	448	98.90%
SOLANO	5,812	5,701	98.09%	5,680	97.73%	5,791	99.64%	5,676	97.66%	5,738	98.73%	5,754	99.00%
SONOMA	5,869	5,677	96.73%	5,659	96.42%	5,844	99.57%	5,668	96.58%	5,741	97.82%	5,771	98.33%
STANISLAUS	8,198	8,077	98.52%	8,034	98.00%	8,180	99.78%	8,061	98.33%	8,107	98.89%	8,152	99.44%
SUTTER	1,414	1,367	96.68%	1,370	96.89%	1,408	99.58%	1,372	97.03%	1,398	98.87%	1,394	98.59%
TEHAMA	790	782	98.99%	778	98.48%	779	98.61%	785	99.37%	781	98.86%	780	98.73%
TOULUMNE	522	494	94.64%	493	94.44%	512	98.08%	495	94.83%	506	96.93%	503	96.36%
TRINITY	132	129	97.73%	128	96.97%	132	100.00%	129	97.73%	130	98.48%	126	95.45%
TULARE	7,561	7,434	98.32%	7,419	98.12%	7,554	99.91%	7,450	98.53%	7,445	98.47%	7,540	99.72%
VENTURA	12,022	11,646	96.87%	11,591	96.41%	11,933	99.26%	11,610	96.57%	11,746	97.70%	11,817	98.29%
YOLO	2,378	2,324	97.73%	2,325	97.77%	2,374	99.83%	2,329	97.94%	2,351	98.86%	2,349	98.78%
YUBA	1,150	1,082	94.09%	1,054	91.65%	1,146	99.65%	1,072	93.22%	1,126	97.91%	1,128	98.09%

TABLE 4: NUMBER OF SCHOOLS REPORTING
BY COUNTY AND TYPE

	TOTAL NUMBER OF SCHOOLS	SCHOOL TYPE			
		PUBLIC		PRIVATE	
		NUMBER OF SCHOOLS	PERCENT OF TOTAL	NUMBER OF SCHOOLS	PERCENT OF TOTAL
STATE TOTAL	8,544	5,534	64.77%	3,010	35.23%
ALAMEDA	351	212	60.40%	139	39.60%
ALPINE	2	2	100.00%	0	0.00%
AMADOR	8	6	75.00%	2	25.00%
BUTTE	64	48	75.00%	16	25.00%
CALAVERAS	12	11	91.67%	1	8.33%
COLUSA	7	6	85.71%	1	14.29%
CONTRA_COSTA	234	147	62.82%	87	37.18%
DEL_NORTE	12	9	75.00%	3	25.00%
EL_DORADO	45	33	73.33%	12	26.67%
FRESNO	212	174	82.08%	38	17.92%
GLENN	11	10	90.91%	1	9.09%
HUMBOLDT	61	51	83.61%	10	16.39%
IMPERIAL	47	36	76.60%	11	23.40%
INYO	9	8	88.89%	1	11.11%
KERN	176	136	77.27%	40	22.73%
KINGS	36	29	80.56%	7	19.44%
LAKE	18	13	72.22%	5	27.78%
LASSEN	13	11	84.62%	2	15.38%
LOS_ANGELES	2,233	1,223	54.77%	1,010	45.23%
MADERA	35	33	94.29%	2	5.71%
MARI_N	75	42	56.00%	33	44.00%
MARI_POSA	9	9	100.00%	0	0.00%
MENDOCINO	37	29	78.38%	8	21.62%
MERCED	65	49	75.38%	16	24.62%
MODOC	7	7	100.00%	0	0.00%
MONO	7	6	85.71%	1	14.29%
MONTEREY	89	75	84.27%	14	15.73%
NAPA	41	27	65.85%	14	34.15%
NEVADA	34	28	82.35%	6	17.65%

KINDERGARTEN ASSESSMENT - CALIFORNIA, 2003

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		PUBLIC		PRIVATE	
		NUMBER OF SCHOOLS	PERCENT OF TOTAL	NUMBER OF SCHOOLS	PERCENT OF TOTAL
STATE TOTAL	8,544	5,534	64.77%	3,010	35.23%
ORANGE	679	389	57.29%	290	42.71%
PLACER	82	59	71.95%	23	28.05%
PLUMAS	7	6	85.71%	1	14.29%
RI VERSI DE	378	243	64.29%	135	35.71%
SACRAMENTO	329	233	70.82%	96	29.18%
SAN_BENI TO	19	15	78.95%	4	21.05%
SAN_BERNARDI NO	439	300	68.34%	139	31.66%
SAN_DI EGO	653	416	63.71%	237	36.29%
SAN_FRANCI SCO	150	76	50.67%	74	49.33%
SAN_JOAQUI N	165	123	74.55%	42	25.45%
SAN_LUI S_OBI SPO	61	45	73.77%	16	26.23%
SAN_MATEO	183	109	59.56%	74	40.44%
SANTA_BARBARA	101	73	72.28%	28	27.72%
SANTA_CLARA	366	240	65.57%	126	34.43%
SANTA_CRUZ	61	44	72.13%	17	27.87%
SHASTA	60	48	80.00%	12	20.00%
SI ERRA	3	3	100.00%	0	0.00%
SI SKI YOU	28	22	78.57%	6	21.43%
SOLANO	93	61	65.59%	32	34.41%
SONOMA	138	101	73.19%	37	26.81%
STANI SLAUS	126	102	80.95%	24	19.05%
SUTTER	34	27	79.41%	7	20.59%
TEHAMA	22	20	90.91%	2	9.09%
TOULUMNE	17	13	76.47%	4	23.53%
TRI NI TY	10	10	100.00%	0	0.00%
TULARE	108	91	84.26%	17	15.74%
VENTURA	207	135	65.22%	72	34.78%
YOLO	46	34	73.91%	12	26.09%
YUBA	29	26	89.66%	3	10.34%